



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS ELECTRONIC SYSTEMS CENTER (AFMC)

HANSCOM AIR FORCE BASE, MASSACHUSETTS

MEMORANDUM FOR Defense Technical Information Center

NOV 08 2000

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Director of Freedom of Information and Security Review
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FROM: ESC/ACU

50 Griffiss Street

Hanscom AFB, MA 01731-1625

SUBJECT: Change No 1 to Air Force Mission Support System (AFMSS) Security
Classification Guide (30 April 1998)

1. The AFMSS Security Classification Guide is changed as follows:

Write-In Changes:

<u>PAGE</u>	<u>PARA:</u>	<u>ACTION</u>
1	2	Under Program Manager, change to read "Lt Col Christopher King"
1	2	Under Program Manager, change to read "HQ ESC/ACU"
1	2	Under Program Manager, change to read "DSN 478-1186 X7723"
1	2	Under Program Manager, change to read "(781) 271-7723"

1	2	Under Action Officer, change to read "2Lt Ed Stadolnik"
1	2	Under Action Officer, change to read "HQ ESC/ACUD"
1	2	Under Action Officer, change to read "DSN 478-1186 X6441"
1	2	Under Action Officer, change to read "(781) 271-6441"

2. The following is a brief resume of changes:

"Section I, Para 2, has been updated to reflect changes in personnel. These changes are the result of the required two-year . These changes are the result of the required two-year periodic review--no classification change."

3. When necessary actions have been completed, file this change in back of guide.



STEVEN A. COTE
Deputy Program Manager for Wing/Unit C2 Systems
Combat Air Forces C2 Systems

cc:
46 OG/OGF
46 TS/OGET
ESC/ACU-OL1
OO-ALC/LHM
SAF/AQII

ELECTRONIC SYSTEMS CENTER
AIR FORCE MATERIEL COMMAND
HANSCOM AIR FORCE BASE, MASSACHUSETTS



AIR FORCE MISSION SUPPORT SYSTEM (AFMSS)
SECURITY CLASSIFICATION GUIDE

(30 April 1998)

Distribution limited to U.S. Government agencies
and their Contractors-Critical Technology.
Other requests for the Document shall be referred to
HQ ESC/AC 50 Griffiss St. Hanscom AFB, MA 01731-1625

GUIDES ARE EXEMPT FROM DISTRIBUTION TO THE PUBLIC UNDER THE AIR
FORCE FREEDOM OF INFORMATION PROGRAM, AFI 37-131 PARA. 26.1.1 AND 5 USC
552 (B)(2).

Local Reproduction is Authorized

This Guide Supersedes the AFMSS
Security Classification Guide
dated 24 Jul 1992

DESTRUCTION NOTICE

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30 April 1998

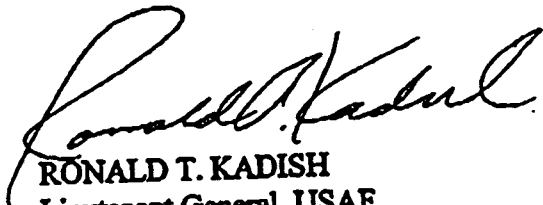
Security Classification Guide
AFMSS

FOREWORD

DESCRIPTION: The AIR FORCE MISSION SUPPORT SYSTEM (AFMSS) is the unit level computer aided mission planning system developed for CAF, AMC, and USSOCOM. AFMSS provides mission planning support including flight, air drop and weapons planning; threat analysis; egress, and target area imagery; radar predictions, pre-mission route fly through; combat mission folder; mission data files tailored to a specific aircraft and loaded into the Data Transfer Devices (DTD); read in-flight recorded data from the DTDs; and printer capability for maps or chart segments displayed on the screen.

AUTHORITY: This guide is issued under authority of DoD 5200.1-R/AFI 31-401, the Information Security Program Regulation

APPROVED BY:



RONALD T. KADISH
Lieutenant General, USAF
Commander

Summary of Changes: The AFMSS Security classification Guide dated 24 July 1992 has been completely updated and revised according to DoD 5200.1-R to reflect current program direction in compliance with E.O. 12958.

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SECTION I

GENERAL INSTRUCTIONS

1. **PURPOSE:** To provide instruction and guidance on the classification of information involved in AFMSS.

2. **OFFICE OF PRIMARY RESPONSIBILITY (OPR):** This guide is issued by, and all inquiries concerning content and interpretation should be addressed to:

Program Manager
Maj. Stephan Melitz
HQ ESC/ACUC

AFMC SSA
HQ ESC/TNP

Action Officer
1Lt Todd Foster
HQ ESC/ACUC

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3. **CLASSIFICATION RECOMMENDATIONS:** If the security classification contained in this guide imposes requirements that are impractical; or if current conditions, changes or progress attained in this effort, scientific or technological changes in the state-of-the-art, or any other contributory factors indicate a need for changes in this guide, completely documented and justified recommendations should be made through appropriate channels to the OPR. Pending final decision thereon, the items of information involved shall be handled and protected at the higher of the current classifications or the recommended changes. All users of this guide are encouraged to assist in improving and maintaining the currency and adequacy of this guide.

4. **APPLICATIONS, REPRODUCTION, AND DISSEMINATION:** Authority is granted to make reproductions, and extracts or selections of portions of this guide for application by specified groups involved in the AFMSS program including industrial activities.

5. **CLASSIFICATION CURRENCY:** Changes to this guide will be effected by letter. Subject Letter Change Number, to ESC/ACUC Security Classification Guide (30 April 1998). These letters will indicate the appropriate change(s). Upon receipt of a letter change, the appropriate change(s) will be made and the letter of authority will be inserted in the back of the guide.

6. **THIRD COUNTRY STATEMENT:** "U.S. Government information is furnished upon the condition that it will not be released to another nation without specific authority of the Department of the Air Force of the United States; that individual or corporate rights originating the information will be provided substantially the same degree of security afforded it by the Department of Defense of the United States. Also, regardless of any other markings on the

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document, it will not be downgraded or declassified without written approval of the originating U.S. agency."

7. SAMPLE DOWNGRADING AND DECLASSIFICATION INSTRUCTIONS:

Derived from: ESC AFMSS Sec Class Guide, 30 April 1998

Declassify On: 30 Apr 2007

8. OTHER APPLICABLE SECURITY CLASSIFICATION GUIDES THAT APPLY TO THIS PROGRAM:

- a. The ESC Theater Battle Management Core Systems (TBMCS) SCG
- b. The ESC Common Low Observable Auto Router (CLOAR) SCG

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SECTION II

RELEASE OF INFORMATION

1. **PUBLIC RELEASE:** The fact that this guide shows certain details of information to be unclassified does not allow automatic release of the information. Proposed public disclosures of unclassified information regarding AFMSS shall be processed through appropriate channels for approval for publication.

a. Any proposed release to the public of official information pertaining to AFMSS must be forwarded to the Office of Public Affairs, Electronic Systems Center (ESC/PAM), for review and further processing. The term "release" applies, but is not limited to, articles, speeches, photographs, brochures, advertisements, displays, presentations, and so on, on any phase of AFMSS. It is incumbent upon defense contractors, or other agencies, to screen all information submitted by them for material certification to ensure that it is both unclassified and technically accurate. Letters of transmittal shall contain certification to this effect. The number of copies produced, and distributed of the document, must be extremely and strictly controlled until review is completed. If suspected classified information is found during the review process, all holders of the document will be informed of the degree of protection required. When doubt exists concerning the classified status of a proposed release pertaining to AFMSS, the final decision will be rendered by ESC/ACUC. The material submitted for review must include a valid suspense date, if applicable. Requests for public release certification, according to DoD Manual 5220.22-M, NISPOM (attachment to DD Form 441, Security Agreement), must be submitted to the Electronic Systems Center Office of Public Affairs (ESC/PA) for review and further processing. Eight copies of the proposed public release material must be submitted at least six weeks before approval is needed. (For further clarification and guidance on information certification procedures, see AFI 35-205)

b. Only information that has been reviewed and certified for public release may be released; however, the decision or authority to release falls within the purview of those officials who have the responsibility to govern the program for which the material has been developed.

c. Only information which already has been approved for public release may be released without further recourse. Information developed after initial approval for public release must be submitted for review and further processing as outlined in paragraph a.

d. Approval for public release does not satisfy the export licensing requirements of the Department of State and Commerce. Material which requires an export license will not be entered into security review channels for public release approval in order to circumvent the licensing requirements of the Departments of State and Commerce.

2. **RELEASE OF INFORMATION TO FOREIGN GOVERNMENTS, INTERNATIONAL ORGANIZATIONS OR THEIR REPRESENTATIVES:**

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a. Any ESC military activity or defense contractor receiving a request for or proposing to release information on this program will forward such requests/proposals to ESC/INF (Foreign Disclosure Policy Office), after compliance with the following:

(1) Military activities will comply with AFI 16-201 - Disclosure of Military Information to Foreign Governments and International Organizations

(2) Defense contractors will comply with the Department of State International Traffic in Arms Regulation (ITAR).

NOTE: Foreign national employees of the contractor or subcontractor(s), including those possessing reciprocal clearances, are not authorized access to classified information resulting from or used in the performance of their contract unless authorized in writing AFMSS, ESC/AC, Hanscom AFB MA 01731-1625. Prime contractors are responsible for ensuring each of their subcontractors are aware of, and comply with these requirements. Material proposed for release by subcontractors will be routed through their prime contractor.

b. Any ESC non-military activity will forward subject requests/proposals through their command foreign disclosure channels for SAF/IAD release determination. If authorized for release by SAF/IAD, data will be labeled "U.S. and specify (COUNTRY)" only. This statement should appear once on the cover of classified/unclassified documents. The last of electronic messages should state "U.S and specify (COUNTRY) only."

3. RELEASE OF INFORMATION TO UNITED STATES AGENCIES: Requests will be submitted to the Program Office (ESC/AC), Hanscom AFB MA 01731-1625 for coordination and processing.

4. RELEASE OF INFORMATION AT SYMPOSIA, SEMINARS, AND CONFERENCES: Requests for such releases of classified information shall be submitted to the Program Manager, AFMSS, ESC/ACUC, Hanscom AFB MA 01731-1625 for review and approval. Material will be submitted a minimum of six weeks prior to proposed release date in two copies. Any information authorized for release will reflect that the work reported upon is sponsored by the United States Air Force. If foreign nationals are expected to be present at such a conference, the provisions of paragraph 2 above must be followed.

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SECTION III

OVERALL EFFORT

<u>TOPIC</u>	<u>CLASS</u>	<u>REASON & DECISION DATE</u>	<u>DECLASS ON</u>	<u>REMARKS</u>
1. Planning or Programming when not classified by other sections	U			
2. Milestones, Schedules and Operational Dates	U			
3. Manpower Requirements	U			
4. Logistics Support Plan	U			
5. Complete Status or Progress of Work performed on Contract	U			
6. Program Name	U			
7. Program Nomenclature	U			
8. System Description/ Mission	U			
9. Program Funding	U			
10. Rates/Number Deliveries	U			
11. Logistics Support Plan	U			
12. Maintenance Concept	U			
13. Training	U			
14. Test Plans/Objectives	U			
15. Test Schedules	U			
16. Test Materials	U			

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<u>TOPIC</u>	<u>CLASS</u>	<u>REASON & DECISION DATE</u>	<u>DECLASS ON</u>	<u>REMARKS</u>
17. Test Sites	U			
18. Test Results	U			
19. Test Data	See Remarks			Classified to the level of test data.
20. Information that discloses downtime of intelligence/operational feeds when such outages prevent use of the system	U			
21. System Locations	U			

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SECTION IV

ADMINISTRATIVE DATA

<u>TOPIC</u>	<u>CLASS</u>	<u>REASON & DECISION DATE</u>	<u>DECLASSIFY ON</u>	<u>REMARKS</u>
1. A complete List of Contractors/ Subcontractors	U			
2. Relationship between contractor/ Subcontractor and/or between Contractor and Government Agencies	U			
3. Company/Air Force Project Number/ Work Unit Titles and Numbers/Air Force Project Element No.	U			
4. Contract Numbers	U			
5. General Planning or Program Status	U			
6. Contractor and/or AF Model Designations	U			
7. Contract Funding	U			
8. Financial Plans	U			
9. Manpower Requirements	U			

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SECTION V

PERFORMANCE AND CAPABILITY

<u>TOPIC</u>	<u>CLASS</u>	<u>REASON & DECISION DATE</u>	<u>DECLASS ON</u>	<u>REMARKS</u>
1. Software/Data				
a) Developed software/ firmware (including modified non- developmental software).	See Remarks	Section 1.5(b) 30 Apr 98	30 Apr 08	Classify according to the classification of data contained therein.
b) Non-developmental Software	See Remarks	Section 1.5(b) 30 Apr 98	30 Apr 08	Reference 1a. above
2. System Performance Requirements				
3. Communications	See Remarks			¹ See below
4. External Interfaces	See Remarks			² See below

¹ COMSEC classification guidance is provided in AFI 33-201. EMSEC classification guidance is provided in AFI 33-203. Only the COMSEC classification guide extracted from and furnished separately is applicable to contractors. If difficulties arise in the application of the above guidance, the contractor should request guidance from the (AFMSS Program Office). Likewise, if COMSEC/EMSEC terms not defined in the above guidance are encountered, classification guidance must be requested from the (AFMSS Program Office) prior to using them in AFMSS.

(Please Note:) If the AFI's addressed above do not incorporate the appropriate guidance, coordinate with NSA/CSS, Director, National Security Agency/Chief, Central Security Service, ATTN: Information Policy Staff (N5P6) Fort George G. Meade, MD 20755-6000)

² AFMSS interfaces with multiple and varied software components IAW their respective ICDs. The AFMSS Core software is not classified, but the system, when operating with classified data may be run in a System High Mode up to and including TS/SAR. On the following page is a list of all relevant ICDs current as of 20 Apr 98:

AFMSS Interfaces

OPS ICD—ESC-82155046A010 Rev C, 23 Oct 96

1. Weather Data Base [UAGC]Appendix D
2. GPS Almanac dataAppendix E
- Crypto Keys AN/CYZ-10Appendix E
3. ACFPAppendix H
4. CFPS v 1.1.1Appendix I
5. CFPS v 1.3.4Appendix J
6. AFMSS Route Interchange FormatAppendix K
7. DZ Survey Data ImportAppendix L
8. AZAR Data ImportAppendix M
9. TBMCS ATO/ACO/Laydown.datAppendix N

INTEL ICD—ESC-82155046A009 Rev D, 23 Jan 97

1. CIS/IntelAppendices A-G
2. DataAppendices H-J

Radar Cross Section ICD—ESC-82155046A011 15/12/95
ELINTAppendix E

MAP DATA

1. CADRGMIL-C 89038, 6/10/94; (D) Amend 1 to MIL-PRF-89038, 1/10/97
2. DTED [via CMS]ESD-82155046A004 r 2.2.1 30/08/93; (D)
Amend 1 to MIL-PRF-89020A, 1/10/97 Drives CMS DTED
3. CIBMIL-C 89041, 15/5/95; (D) MIL-PRF-89041A,
2nd ed., 15/10/97
4. WVSMIL-V-89012A
5. AIM POINT DATAPIMS to AFMSS Interface Formats 9/08/93; (D)
MIL-PR-89403, 31 OCT 97
6. DAFIFDMA Spec PS/1FD/086 May 93, 4th ed.
7. NIMA Broad Area Image FeedNITF v2.0 MIL-STD-2500A 12/10/94; NITF v
2.1 MIL-STD-2500B

Flight Performance Modules—FPM ICD, V 3.091 23/10/97

STRATCOM [Pass Through only]—ICD USSTRATCOM TO AFMSS J6652, Nov 96/C3

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SECTION VI
SPECIFICATIONS

<u>TOPIC</u>	<u>CLASS</u>	<u>REASON & DECISION DATE</u>	<u>DECLASS ON</u>	<u>REMARKS</u>
1. System/Segment Specification				
a) When operational capability is not divulged	U			
b) When operational capability is divulged	See Remarks	Section 1.5(g) 30 Apr 98	30 Apr 08	Classify according to degree of operational capability disclosed
2. System Functional Requirements				
a) When operational capability is not divulged	U			
b) When operational capability is divulged	See Remarks	Section 1.5(g) 30 Apr 98	30 Apr 08	Classify according to degree of operational capability disclosed

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SECTION VII

VULNERABILITIES AND WEAKNESSES

<u>TOPIC</u>	<u>CLASS</u>	<u>REASON & DECISION DATE</u>	<u>DECLASSIFY ON</u>	<u>REMARKS</u>
1. Networking Vulnerabilities	U			
2. Operating and Windowing System Vulnerabilities	U			
3. System Development and Integration Vulnerabilities	U			
4. System Administration and Management Vulnerabilities	U			

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SECTION VIII

HARDWARE

<u>TOPIC</u>	<u>CLASS</u>	<u>REASON & DECISION DATE</u>	<u>DECLASSIFY ON</u>	<u>REMARKS</u>
End Item Hardware:	U			
1. Mission Planning Subsystem (MPS)-I	U			
2. MPS-II	U			
3. Portable Mission Planning Subsystem (PMPS)	U			

No hardware component or configuration is classified.

SECTION IX

ACRONYMS

The following acronyms are defined:

1. ACFP	Advanced Computer Flight Plan
2. AFMSS	Air Force Mission Support System
3. AMC	Air Mobility Command
4. AZAR	Assault Zone Availability Report
5. CADRG	Compressed ARC Digitized Raster Graphics
6. CAF	Combat Air Forces
7. CFPS	Combat Flight Planning Software
8. CIB	Controlled Image Base
9. CIS	Combat Intelligence System
10. CLOAR	Common Low Observable Auto Router
11. DAFIF	Digital Aeronautical Flight Information File
12. DTD	Data Transfer Device
13. DTED	Digital Terrain Elevation Data
14. DZ	Drop Zone
15. ELINT	Electronic Intelligence
16. FOUO	For Official Use Only
17. GPS	Global Positioning System
18. ICD	Interface Control Document
19. IOC	Initial Operational Capability
20. NIMA	National Imagery & Mapping Agency
21. R&D	Research and Development
22. RDT&E	Research, Development, Test and Evaluation
23. TBMCS	Theater Battle Management Core Systems
24. TS/SAR	Top Secret/Special Access Required
25. USSOCOM	US Special Operations Command

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SECTION X

DISTRIBUTION

<u>Agencies</u>	<u>Number of Copies</u>
Defense Technical Information Center DTIC-OP Cameron Station Alexandria, VA 22304-6145	2
Deputy Director Security Classification and Safeguards (OASD (C3I) / OSASD (I), The Pentagon Washington, DC 20301-3040	1
Directorate, Freedom of Information & Security Review Office of the Assistant Secretary of Defense (Public Affairs) 1400 Pentagon Washington, DC 20301-1400	1
EC/PA 9 Eglin St. Hanscom AFB, MA 01731-2118	1
ESC/ACUC 50 Griffiss St Hanscom AFB, MA 01731-1725	3
ESC/INP 102 Barksdale St. Hanscom AFB, MA 01731-1805	1
HQ ACC/DR-SMO-P 204 Dodd Blvd, Ste 226 Langley AFB, VA 23665-2777	1
HQ AFIA/IM 9700 G. Ave., SE Kirtland AFB, NM 87117-5670	1
HQ AFMC/SPI/PA Wright-Patterson AFB, OH 45433	1
HQ AFMC/SPP 4225 Logistics Ave., Suite 21 Wright-Patterson AFB, OH 45433-5001	1

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HQ AFSPI
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HQ AMC/XPRS
402 Scott Dr. Unit 3L3
Scott AFB, IL 62225-5307

1

HQ DIS Industrial Security Office (V0410)
1340 Braddock Place
Alexandria, VA 22314-1651

1

Lockheed Sanders, Inc.
MER 15-2250
PO Box 868
Nashua, NH 03061-0868

3

MITRE Corporation
Mission Planning Library
MS M124
202 Burlington Rd
Bedford, MA 01730

1

Northeast Region, DIS
New England Sector
Barnes Building 1040
495 Summer St
Boston, MA 02210-2192

1

SAF/AAZD
55 LeMay Plaza South
Maxwell AFB, AL 36112

1 (On 3 1/2 in.
Diskette)

SAF/PAS
1690 Air Force Pentagon
Washington, DC 20330-1690

1

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REASONS FOR CLASSIFYING

To be eligible for classification, information must fall within one or more of the categories of information listed in section 1.5 of the Executive Order 12958:

- a. Military plans, weapons systems, or operations
- b. Foreign government information
- c. Intelligence activities (including special activities), intelligence sources or methods, or cryptology
- d. Foreign relations or foreign activities of the United States, including confidential sources.
- e. Scientific, technological, or economic matters relating to the national security
- f. United States Government programs for safeguarding nuclear materials or facilities
- g. Vulnerabilities or capabilities of systems, installations, projects or plans relating to National Security.

EXEMPTIONS TO THE 10 YEAR RULE

- X(1) reveal an intelligence source, method, or activity, or a cryptologic system or activity;
- X(2) reveal information that would assist in the development or use of weapons of mass destruction;
- X(3) reveal information that would impair the development or use of technology within a United States weapon system;
- X(4) reveal United States military plans, or national security emergency preparedness plans;
- X(5) reveal foreign government information;
- X(6) damage relations between the United States and a foreign government, reveal a confidential source, or seriously
- X(7) impair the ability of responsible United States Government officials to protect the President, the Vice President, and other individuals for whom protection services, in the interest of national security, are authorized; or
- X(8) violate a statute, treaty, or international agreement.